

METHOD AND APPARAUS TO DETEMINE A DISCRIMINATION THRESHOLD OF A
RECEIVED SIGNAL, AND AN OPTICAL TRANSMISSION SYSTEM

Abstract

5 A method to determine a discrimination threshold of a received
signal input from an optical transmission line comprises steps of
measuring a bit error rate of the received signal at each of a plurality
of discrimination thresholds by changing a polarization direction
of an optical signal to enter the optical transmission line to detect
10 the worst bit error rate at each discrimination threshold, and
searching a predetermined bit error rate from the plurality of the
detected worst bit error rates and searching a discrimination
threshold of the received signal according to the predetermined bit
error rate.

15